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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/474,299	12/29/1999	MARCEL F.C. SCHEMMANN	PHA-23.939	2088
22850	7590	02/03/2006	EXAMINER	
OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C. 1940 DUKE STREET ALEXANDRIA, VA 22314			KIM, DAVID S	
			ART UNIT	PAPER NUMBER
			2633	

DATE MAILED: 02/03/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

**Advisory Action  
Before the Filing of an Appeal Brief**

Application No.

09/474,299

Applicant(s)

SCHEMMANN ET AL.

Examiner

David S. Kim

Art Unit

2633

**--The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

THE REPLY FILED 18 January 2006 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE.

1. ☒ The reply was filed after a final rejection, but prior to or on the same day as filing a Notice of Appeal. To avoid abandonment of this application, applicant must timely file one of the following replies: (1) an amendment, affidavit, or other evidence, which places the application in condition for allowance; (2) a Notice of Appeal (with appeal fee) in compliance with 37 CFR 41.31; or (3) a Request for Continued Examination (RCE) in compliance with 37 CFR 1.114. The reply must be filed within one of the following time periods:

- a) ☒ The period for reply expires 3 months from the mailing date of the final rejection.  
b) ☐ The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection.

Examiner Note: If box 1 is checked, check either box (a) or (b). ONLY CHECK BOX (b) WHEN THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. See MPEP 706.07(f).

Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in (b) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**NOTICE OF APPEAL**

2. ☐ The Notice of Appeal was filed on \_\_\_\_\_. A brief in compliance with 37 CFR 41.37 must be filed within two months of the date of filing the Notice of Appeal (37 CFR 41.37(a)), or any extension thereof (37 CFR 41.37(e)), to avoid dismissal of the appeal. Since a Notice of Appeal has been filed, any reply must be filed within the time period set forth in 37 CFR 41.37(a).

**AMENDMENTS**

3. ☒ The proposed amendment(s) filed after a final rejection, but prior to the date of filing a brief, will not be entered because  
(a) ☒ They raise new issues that would require further consideration and/or search (see NOTE below);  
(b) ☐ They raise the issue of new matter (see NOTE below);  
(c) ☐ They are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or  
(d) ☐ They present additional claims without canceling a corresponding number of finally rejected claims.

NOTE: See Continuation Sheet. (See 37 CFR 1.116 and 41.33(a)).

4. ☐ The amendments are not in compliance with 37 CFR 1.121. See attached Notice of Non-Compliant Amendment (PTOL-324).  
5. ☐ Applicant's reply has overcome the following rejection(s): \_\_\_\_\_.  
6. ☐ Newly proposed or amended claim(s) \_\_\_\_\_ would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).  
7. ☒ For purposes of appeal, the proposed amendment(s): a) ☒ will not be entered, or b) ☐ will be entered and an explanation of how the new or amended claims would be rejected is provided below or appended.  
The status of the claim(s) is (or will be) as follows:  
Claim(s) allowed: none.  
Claim(s) objected to: none.  
Claim(s) rejected: 28-33.  
Claim(s) withdrawn from consideration: none.

**AFFIDAVIT OR OTHER EVIDENCE**

8. ☐ The affidavit or other evidence filed after a final action, but before or on the date of filing a Notice of Appeal will not be entered because applicant failed to provide a showing of good and sufficient reasons why the affidavit or other evidence is necessary and was not earlier presented. See 37 CFR 1.116(e).  
9. ☐ The affidavit or other evidence filed after the date of filing a Notice of Appeal, but prior to the date of filing a brief, will not be entered because the affidavit or other evidence failed to overcome all rejections under appeal and/or appellant fails to provide a showing of good and sufficient reasons why it is necessary and was not earlier presented. See 37 CFR 41.33(d)(1).  
10. ☐ The affidavit or other evidence is entered. An explanation of the status of the claims after entry is below or attached.

**REQUEST FOR RECONSIDERATION/OTHER**

11. ☐ The request for reconsideration has been considered but does NOT place the application in condition for allowance because: \_\_\_\_\_.  
12. ☐ Note the attached Information Disclosure Statement(s). (PTO/SB/08 or PTO-1449) Paper No(s). \_\_\_\_\_.  
13. ☒ Other: See Continuation Sheet.

Continuation of 3. NOTE:

The Applicant's proposed amendment introduces limitations absent from the previous version of the claims. In doing so, the proposed amendment raises new issues related to a change in the scope of the claims. A proper and sufficient response to these new issues would require further consideration and/or search.

For example, some newly introduced limitations absent from the previous version of the claims are:

(from independent claims 34 and 39)

- the upstream ports
- the bidirectional input/output ports
- the conversion of a carrier signal modulated on an optical input signal to an electrical signal
- the frequency conversion of an electrical signal.

Continuation of 13. Other:

Regarding Applicant's response to the objections to the drawings in the previous Office Action (mailed on 18 October 2005), Applicant's response is noted and appreciated. Replacement drawings for Figs. 5 and 7 were filed on 18 January 2006. Although some of the previous objections are overcome by Applicant's proposed drawing amendments, newly filed Fig. 5 reintroduces issues raised in a previous Office Action (mailed on 18 November 2004). That is, newly filed Fig. 5 reintroduces reference characters 373-376, which are missing from the specification. Deletion of these characters is suggested as a suitable remedy. Also, although Applicant's newly filed Fig. 7 replaces the lead line for 554 to a location that is closer to the accurate location than the previous location, this lead line is still slightly misplaced. The bridging paragraph of p. 35-36 indicates that the lead line for 554 should be located on the path between HCM 551 and the node dot that is to the left of splitter 552. Replacing the lead line for 554 to this location is suggested as a suitable remedy. Accordingly, these newly filed Figs. 5 and 7 are disapproved.

Regarding Applicant's response to the objections to the specification in the previous Office Action (mailed on 18 October 2005), Applicant's response is noted and appreciated. Applicant's proposed amendments to the specification overcome the previous objections.

  
JASON CHAN  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2600

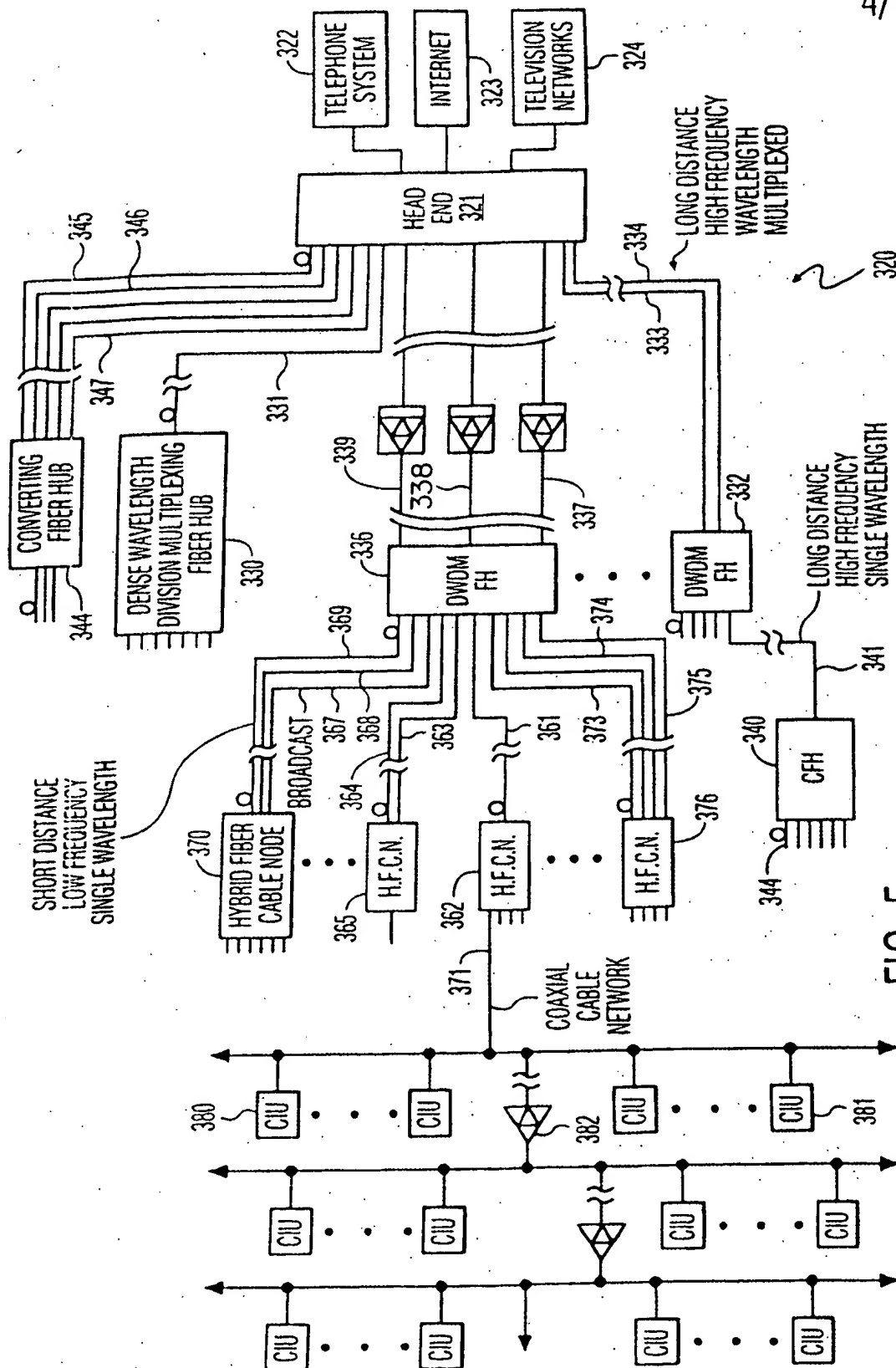


**OBLON, SPIVAK, et al**  
**Docket No: 232362US28X**  
**Inventor: Marcel F. SCHEMMANN, et al.**  
**Serial No: 09/474,299**  
**Reply to OA dated: 10/18/05**  
**Replacement Sheet**

Disapproved by DSH

25 JANUARY 2006

4/11



Disapproved by DSK  
25 JANUARY 2006

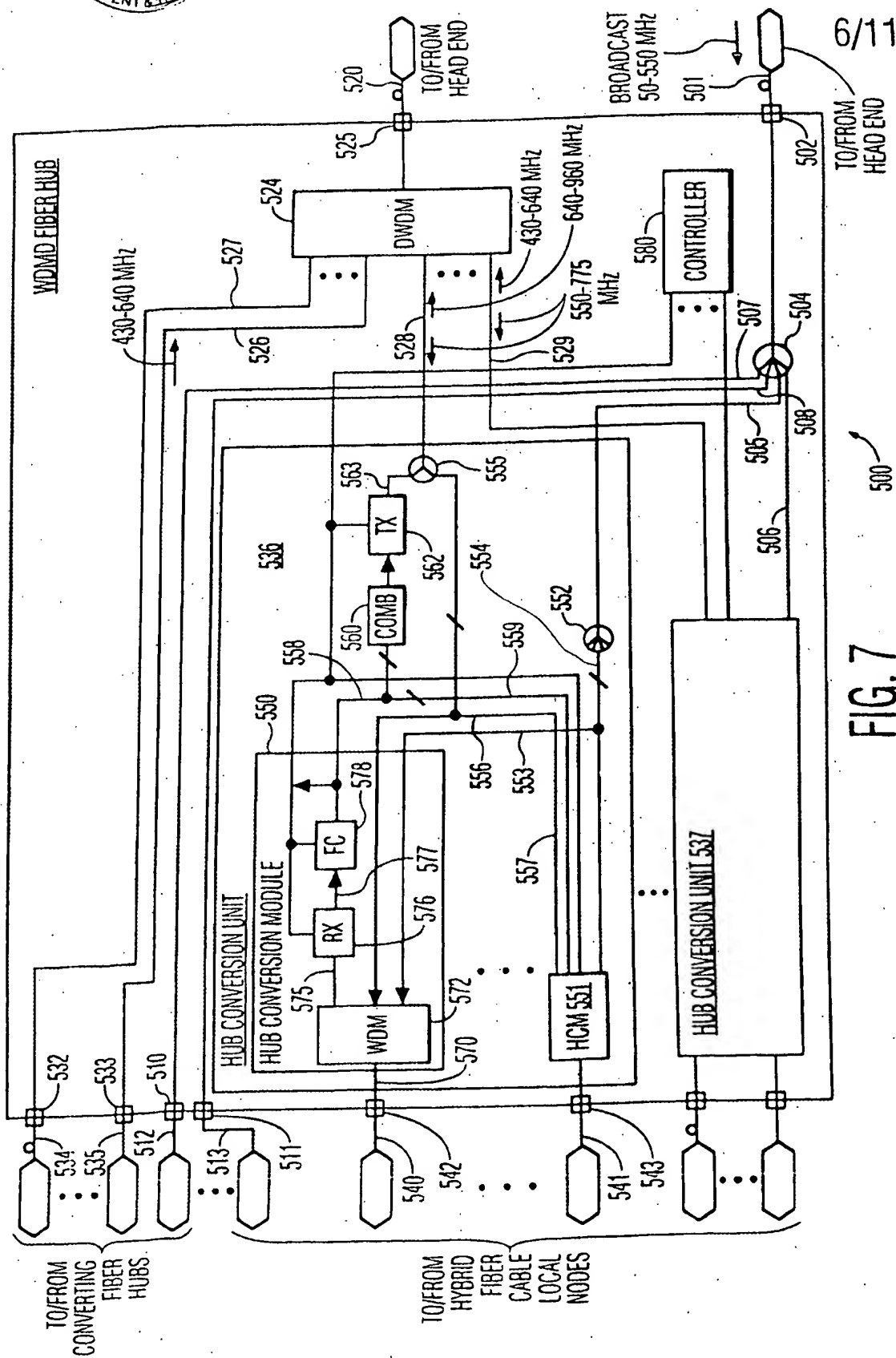


FIG. 7